



Specification for

IDEAL WORK ARCHITOP® TOPPING

PROPRIETARY CONCRETE TOPPING SYSTEM .

To be read with Preliminary/General Conditions

Types of finish	Polished coloured, cementitious finish to concrete flatwork. Architop® is a high strength cementitious floor finish ranging at a thickness of 3-4mm
Drawing reference	
Location/project	
Product Reference	Architop catalyst , Colour Hardener, Epoxy Coat, IW-EC
Manufacturer Ref.	Ideal Work S.R.L, Via Kennedy 52, 31030 Valla Di RiesePioX (TV) Italy Tel: +39 0423 4535 Website: www.idealwork.com

1 SUB-BASE PREPARATION /FEATURES

- Substrate should remain stable and be provided with any expansion, contraction and crack inducement joints necessary as any cracking, unevenness and faults in the substrate may be reflected through surface treatment.
- Ensure surface is level, sound and free from any dust, laitance, dirt, oils and or loose materials. If necessary grind to ensure a good mechanical key.
- The existing joints must be mirrored through to the new surface.
- Badly damaged substrates/concrete or cracks need to be repaired prior to **Architop®** being applied. Repair mortars and epoxies are used for such repairs.
- Prior to application on tiles grinding and joints-filling is required.
- MOVEMENT JOINTS: Form joints in substrate where necessary, with any joint in the coating to coincide with movement joints in background as architect's detail.
- Apply on the substrate Epoxy-coat mixed with 20% quartz-sand (0,2-0,5mm) as adhesion primer and cover thoroughly the surface with quartz-sand (0,7-1,2 mm). After 6-8 hours remove the loose excess sand and sand.

2 APPLICATION OF ARCHITOP®

Architop® 1st Finish Coat



A set of Architop® material (6 litres Architop Catalyst® and 25kg of Ideal Colour Hardener®) will cover approximately 15m². Consumption may vary depending on existing surface and final desired finish.

- Thoroughly mix the Architop Catalyst® for at least 2 minutes prior to use (use a paddle mixer if available).
- Thoroughly mix 25kg (x1 full pail) of Ideal Colour Hardener® with the 6 litres of Architop Catalyst®. Continue to mix until all lumps are dissipated.
- With a steel trowel, distribute the first coat evenly (it is important the thickness should not exceed the size of the aggregates in the cement mixture).
- Allow system to dry approximately 15-30 minutes (dependent on ambient temperature / humidity). Wet on Wet application.
- **Architop® 2nd finish Coat**
Repeat the same process as the 1st finish coat, but 4 litres Architop Catalyst®+ 2 litres water to 25kg of Ideal Colour Hardener®). Be sure to wear spiked shoes when applying the second coat. Wet on Wet.
- While material is still wet and curing, it is recommended to start using the power trowel / helicopter
- Float the power trowel across the area while avoiding sudden movements or dragging the power trowel. Do not spend too much time in a single area, move smoothly between one area and the next.
- Be sure to keep tools clean during application. In particular the helicopter blades should be cleaned after each pass.
- The finishing time is dependent on temperature and can vary from 3-7 hours. With a temperature of 20°C it generally cures in 5-6 hours.
- During floating continuously spray evaporation controller IW-EC on the surface. IW-EC reduces the evaporation from the concrete and aids in a correct and even curing process. Mix IW-EC® with water at a ratio of 1:9 (IW-EC®-Water). Consumption is 5-10m² / litre of diluted product

3 SEALING/PROTECTIVE COAT

- The Architop® Finish Surface must be sealed and protected . The sealer will be selected based on the intended function of the area.
When fully dry (48-72 hours) carry out the protective treatment with IDEALPU –WB EASY (included WB PRIMER MAX) or IDEAL SEALER (acrylic, for exteriors) applied by roller or with airless paint sprayer.

4 GENERAL REQUIREMENTS FOR WORKMANSHIP

Before commencement of work	The contractors must make themselves familiar with and have read the latest Technical Data Sheet for the products, available on the IDEAL WORK website www.idealwork.com
-----------------------------	---



Control samples	Samples on site to be approved. They are sole responsibility of the applicator and should be made by site operatives carrying out main works.
Uniformity of colour and texture	Once samples of coatings have been approved, do not change type or proportion of constituent materials. Ensure that supplies and batch numbers of materials are sufficient and consistent to give uniformity of colour. Ensure uniformity of texture during application.
Admixtures	Do not use any admixtures other than those listed.
Guarantee	Rendering materials and workmanship guarantees should be submitted to Contract Administrator prior to work commencing on site.
	It is strongly recommended that this system be applied only by Ideal Work trained applicators